

Friday, December 28, 2012

Tom Givetz
New Hampshire Fish and Game Powder Mill
288 Merrymeeting Road
New Durham NH 03855

Project Name: Powder Mill Hatchery
Project #: N/A
Project Location: New Durham, NH
Control #: 92828

Lab ID: 12120130

Date Received: 12/12/2012

Dear Tom Givetz

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>

A handwritten signature in black ink, appearing to read "Jay Chrystal".

Jay Chrystal - President/Laboratory Director

New Hampshire Fish and Game Powder Mill

Tom Givetz

288 Merrymeeting Road

New Durham NH 03855

Control #: 92828

Project Number: N/A

Project Name: Powder Mill Hatchery

Project Location: New Durham, NH

Lab ID: 12120130

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Sample Receiving and Comment Summary

| | |
|---|-----|
| Were samples submitted with a chain of custody? | Yes |
| Do all samples received match the chain of custody? | Yes |
| Were all samples received within applicable holding times? | Yes |
| Were all containers intact when received? | Yes |
| Was there evidence of cooling if required? | Yes |
| Were samples for volatile organic analysis free of headspace (per method)? | N/A |
| Was the cooler temperature recorded if applicable? | Yes |
| If the sample pH was not correct was it adjusted where applicable? | Yes |
| Were samples for dissolved metals already filtered by the client or field sampling? | N/A |

| Sample | Method | Client Identity | Matrix | Analyst |
|--------------|-----------|-----------------|------------|-----------|
| 12120130-002 | EPA 200.7 | 002 Lower Set | Wastewater | CharleneF |

Comment: no comment

* Blank comment sections denote "No Comment"



317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

New Hampshire Fish and Game Powder Mill

Tom Givetz

288 Merrymeeting Road

New Durham NH 03855

Control #: 92828

Project Number: N/A

Project Name: Powder Mill Hatchery

Project Location: New Durham, NH

Analytical Results

Lab ID: 12120130

Date: 12/28/2012

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|-----------|------------------------|-------|------------|-----------|
| 12120130-001 | EPA 200.7 | 001 N.D. | | Wastewater | CharleneF |

Start Date/Time Sampled: 12/11/2012 7:50:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|---------------------|------------|-----------|-----------|--------------------|-----------------|------|
| Hot Plate Digestion | | | | 12/17/2012 | 1 | 0 |
| Phosphorous-P Total | 7723-14-0 | 0.03 mg/L | | 12/17/2012 | 1 | 0.01 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|-----------|------------------------|-------|------------|-----------|
| 12120130-001 | EPA 300.0 | 001 N.D. | mg/L | Wastewater | MichelleG |

Start Date/Time Sampled: 12/11/2012 7:50:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|-----------|------------|----------|-----------|-----------------------|-----------------|-----|
| Nitrate | | < 1 mg/L | | 12/12/2012 7:48:00 PM | 1 | 1 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|----------|------------------------|-------|------------|---------|
| 12120130-001 | In House | 001 N.D. | mg/L | Wastewater | LauraB |

Start Date/Time Sampled: 12/11/2012 7:50:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|----------------|------------|----------|-----------|--------------------|-----------------|-----|
| Total Nitrogen | | < 1 mg/L | | 12/20/2012 | 1 | 1 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|----------|------------------------|-------|------------|---------|
| 12120130-001 | SM 2540D | 001 N.D. | mg/L | Wastewater | LauraB |

Start Date/Time Sampled: 12/11/2012 7:50:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|------------------------|------------|----------|-----------|--------------------|-----------------|-----|
| Total Suspended Solids | | < 2 mg/L | | 12/18/2012 | 0.5 | 2 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|---------------|------------------------|-------|------------|---------|
| 12120130-001 | SM 4500-NH3-C | 001 N.D. | mg/L | Wastewater | LauraB |

Start Date/Time Sampled: 12/11/2012 7:50:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|-----------|------------|------------|-----------|--------------------|-----------------|-----|
| Ammonia-N | | < 0.2 mg/L | | 12/17/2012 | 1 | 0.2 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|----------|------------------------|-------|------------|---------|
| 12120130-001 | SM 5210B | 001 N.D. | mg/L | Wastewater | SarahP |

Start Date/Time Sampled: 12/11/2012 7:50:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|-----------|------------|-----------|-----------|-----------------------|-----------------|-----|
| BOD | | 4.00 mg/L | U | 12/12/2012 4:00:00 PM | 1 | 1 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|-------------------|------------------------|-------|------------|---------|
| 12120130-001 | SM4500-Norg/NH3-B | 001 N.D. | mg/L | Wastewater | LauraB |

Start Date/Time Sampled: 12/11/2012 7:50:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|------------|--------------|------------|-----------|--------------------|-----------------|-----|
| Kjeldahl-N | 5228003-90-0 | < 0.5 mg/L | | 12/20/2012 | 1 | 0.5 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|-----------|------------------------|-------|------------|-----------|
| 12120130-002 | EPA 200.7 | 002 Lower Set | | Wastewater | CharleneF |

Start Date/Time Sampled: 12/11/2012 8:00:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|---------------------|------------|-----------|-----------|--------------------|-----------------|------|
| Hot Plate Digestion | | | | 12/17/2012 | 1 | 0 |
| Phosphorous-P Total | 7723-14-0 | 0.06 mg/L | | 12/17/2012 | 1 | 0.01 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|-----------|------------------------|-------|------------|-----------|
| 12120130-002 | EPA 300.0 | 002 Lower Set | mg/L | Wastewater | MichelleG |

Start Date/Time Sampled: 12/11/2012 8:00:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|-----------|------------|----------|-----------|-----------------------|-----------------|-----|
| Nitrate | | < 1 mg/L | | 12/12/2012 8:06:00 PM | 1 | 1 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|----------|------------------------|-------|------------|---------|
| 12120130-002 | In House | 002 Lower Set | mg/L | Wastewater | LauraB |

Start Date/Time Sampled: 12/11/2012 8:00:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|----------------|------------|----------|-----------|--------------------|-----------------|-----|
| Total Nitrogen | | < 1 mg/L | | 12/20/2012 | 1 | 1 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|----------|------------------------|-------|------------|---------|
| 12120130-002 | SM 2540D | 002 Lower Set | mg/L | Wastewater | LauraB |

Start Date/Time Sampled: 12/11/2012 8:00:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|------------------------|------------|----------|-----------|--------------------|-----------------|-----|
| Total Suspended Solids | | < 2 mg/L | | 12/18/2012 | 0.5 | 2 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|---------------|------------------------|-------|------------|---------|
| 12120130-002 | SM 4500-NH3-C | 002 Lower Set | mg/L | Wastewater | LauraB |

Start Date/Time Sampled: 12/11/2012 8:00:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|-----------|------------|------------|-----------|--------------------|-----------------|-----|
| Ammonia-N | | < 0.2 mg/L | | 12/17/2012 | 1 | 0.2 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|----------|------------------------|-------|------------|---------|
| 12120130-002 | SM 5210B | 002 Lower Set | mg/L | Wastewater | SarahP |

Start Date/Time Sampled: 12/11/2012 8:00:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|-----------|------------|-----------|-----------|-----------------------|-----------------|-----|
| BOD | | 2.00 mg/L | U | 12/12/2012 4:00:00 PM | 1 | 1 |

| Sample | Method | Client Sample Identity | Units | Matrix | Analyst |
|--------------|-------------------|------------------------|-------|------------|---------|
| 12120130-002 | SM4500-Norg/NH3-B | 002 Lower Set | mg/L | Wastewater | LauraB |

Start Date/Time Sampled: 12/11/2012 8:00:00 AM Composite End Date/Time:

| Parameter | CAS Number | Result | Qualifier | Date/Time Analyzed | Dilution Factor | RDL |
|------------|--------------|------------|-----------|--------------------|-----------------|-----|
| Kjeldahl-N | 5228003-90-0 | < 0.5 mg/L | | 12/20/2012 | 1 | 0.5 |

Qualifier: Description:

| | |
|-------|--|
| B- | Method blank contaminated with target analyte. |
| B1- | BOD had total oxygen loss. Result reported as ">"the highest dilution. |
| B2- | BOD had no oxygen loss. Result reported as "<" the lowest dilution. |
| G- | Reporting limit elevated due to matrix interference. |
| H- | Method prescribed holding time exceeded. |
| J- | Indicates an estimated value. Value is less than the quantitation limit. |
| LH- | Laboratory control spike(s) was high. Results may be biased high. |
| LL- | Laboratory control spike(s) was low. Results may be biased low. |
| MH- | Matrix spike recovery high due to matrix. Results may be biased high. |
| ML- | Matrix spike recovery low due to matrix. Results may be biased low. |
| NC- | Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added. |
| R- | RPD outside acceptable recovery limits. |
| RO- | Sample received out of holding time. |
| SH- | Surrogate recovery high due to matrix |
| SL- | Surrogate recovery low due to matrix |
| TNTC- | Too numerous to count. |
| U- | BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200. |

Chain of Custody No. 92828
Multiple COC's Yes No



CHAIN OF CUSTODY

317 Elm Street Milford, NH 03055
(603) 673-5440 / Fax (603) 673-0366

| A CUSTOMER INFORMATION | | | | B PROJECT INFORMATION | | | | C SAMPLE INFORMATION | | | | | |
|---|--------------------------------------|-----------------------------------|-------------------------------------|---|---------------------------|---|--|--|--|-----------------|--|--|---------------------|
| CUSTOMER: <u>N.H. Fish & Game Dept.</u> ADDRESS: <u>11 Hazen Dr</u> CITY/STATE/ZIP: <u>Concord N.H. 03301</u> TELEPHONE: <u>603 271 1744</u> REPORT TO: _____ EMAIL TO: <u>Powdermill@notmail.com</u> | | | | JOB NAME: <u>Powder Mill Hatchery</u> JOB NUMBER: _____ LOCATION: <u>New Durham</u> INVOICE EMAIL: _____ INVOICE TO: _____ P.O. NUMBER: _____ | | | | TURNAROUND TIME: (CIRCLE ONE) 10 DAY STANDARD <input checked="" type="radio"/> RUSH (MUST BE PRE-APPROVED) 7 day 5 day 4 day 3 day 2 day 1 day Same Day MCP <input type="checkbox"/> YES <input type="checkbox"/> GW1 <input type="checkbox"/> GW3 <input type="checkbox"/> NO <input type="checkbox"/> NO | | | | | |
| STATION # (D) | SAMPLE IDENTIFICATION & LOCATION (E) | COLLECTED (F) DATE (G) TIME | SAMPLE TYPE (H) GRAB (I) COMP | MATRIX (J) SOLID (S) LIQUID (L) COMBINED (C) HAZARD (H) | # OF CONTAINERS (K) | CONTAINER AND PRESERVATIVE H2SO4 HNO3 | | | | ANALYSIS (L) | | | |
| | 001 N.D. | 12/11/12 7:30 | ✓ | L | 1 | ✓ | | | | | | | T. Nitrogen |
| | 001 N.D. | 12/11/12 7:50 | ✓ | L | 1 | ✓ | | | | | | | T. Phos |
| | 004 N.D. | 12/11/12 7:50 | ✓ | L | 1 | | | | | | | | BOD - TSS - Nitrate |
| | 002 lower set | 12/11/12 8:00 | ✓ | L | 1 | ✓ | | | | | | | T. Nitrogen |
| | 002 lower set | 12/11/12 8:00 | ✓ | L | 1 | ✓ | | | | | | | T. Phos |
| | 002 lower set | 12/11/12 8:00 | ✓ | L | 1 | | | | | | | | BOD - TSS - Nitrate |
| (N) CUSTODY SAMPLER: <u>Thomas L. Gault</u> (print name) SIGNATURE: _____ DATE: <u>12/12/12</u> TIME: <u>2:15</u> MILITARY TIME: _____ RECEIVED: <u>D.P.P. Kull</u> DATE: <u>12/10/12</u> TIME: <u>10:27</u> RELINQUISHED: _____ DATE: <u>12/10/12</u> TIME: <u>15:20</u> RECEIVED FOR LAB: <u>Quintin Kull</u> DATE: <u>12/12/12</u> TIME: <u>1:50</u> | | | | SAMPLE CHECK LIST: RECEIVED WITHIN HOLD TIME _____ YES OR NO RECEIVED IN GOOD CONDITION _____ YES OR NO TEMP BLANK <u>4.6</u> °C SHIPPED OR HAND-DELIVERED _____ YES OR NO SAMPLES WERE PROPERLY PRESERVED _____ YES OR NO SAMPLES WERE FILTERED IN _____ YES OR NO IF NO EXPLAIN: _____ FIELD READING(S) & COMMENTS: _____ | | | | | | | | | |